

LUC-569/Ahmed 12-12-11-9-26

**REMARKS**

Claims 12-15, 17-18, and 20-28 are pending in the application. Claims 12, 15, 20-21, and 25-26 were rejected under 35 U.S.C. § 103(a).

**Allowable Subject Matter**

Applicants appreciate the Examiner's indication that claims 14, 17-18, 22-23, and 27-28 contain allowable subject matter and would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

**Rejection Under 35 U.S.C. § 103(a)**

Claims 12, 15, 20-21, and 25-26 were rejected as being unpatentable under 35 U.S.C. §103(a) over Rahul Jain et al., "Geographical Routing Using Partial Information For Wireless Ad Hoc Networks", December 20, 1999.

Applicants have avoided this ground of rejection for the following reasons.

Jain does not teach or suggest applicants' independent claim 12 limitation, as amended, that now recites, "wherein said node stores a local topology having at least one other node with a continually changing position, said local topology having the location information of said at least one other node and connections between said node and said at least one other node, and said node stores said location information of other nodes outside of said local topology."

Applicants agree that Jain discloses routing tables with the positions of a node and its neighboring nodes. However, Jain does not disclose that the routing tables store the connections between nodes. Instead, Jain discloses that the geographical routing algorithm uses only the position information in making routing decisions, as stated on page 3. Furthermore, Jain discloses that initially the nodes only know their neighbors and have no knowledge of the topology, as stated in the last paragraph of page 3. Jain teaches a routing table structure in Figures 2, 6, and 7. When Jain's route discovery process identifies a new path the routing tables are updated with the positions of nodes along the discovered

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path, as shown in Figure 7. However, contrary to applicants' claim 12, the routing tables do not store the connections between the nodes.

Therefore Jain does not teach or suggest all of the limitations in applicants' independent claim 12, and therefore claim 12 is allowable over Jain.

Since claims 13-15, and 17-18 depend from allowable claim 12, these claims are also allowable over Jain.

Independent claims 20 and 25 have a limitation similar to that of independent claim 12, which was shown is not taught by Jain. For example, claims 20 and 25 recite, "said local topology being stored by said node and having i) a list of direct neighbors of said node, ii) a location of said direct neighbors, and iii) connections between said node and said direct neighbors." Jain does not teach this limitation for the above-mentioned reasons. Therefore, claims 20 and 25 are likewise allowable over Jain. Since claims 21-24 depend from claim 20, and claims 26-28 depend from claim 25, these dependent claims are also allowable over Jain.

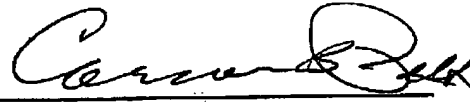
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Conclusion

It is respectfully submitted that the Office Action's rejections have been overcome and that this application is now in condition for allowance. Reconsideration and allowance are, therefore, respectfully solicited.

If, however, the Examiner still believes that there are unresolved issues, she is invited to call applicants' attorney so that arrangements may be made to discuss and resolve any such issues.

Respectfully submitted,

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